



# HOW TO USE SYSTEM WIRING DIAGRAMS

1990 Nissan 240SX

GENERAL INFORMATION  
Using Wiring Diagrams

All Models

## INTRODUCTION

This cd obtains wiring diagrams and technical service bulletins, containing wiring diagram changes from the domestic and import manufacturers. These are checked for accuracy and are all redrawn into a consistent format for easy use.

In the past, when cars were simpler, diagrams were simpler. All components were connected by wires and diagrams seldom exceeded 4 pages in length. Today, some wiring diagrams require more than 16 pages. It would be impractical to expect a service technician to trace a wire from page 1 across every page to page 16.

Removing some of the wiring maze reduces eyestrain and time wasted searching across several pages. Today the majority of these diagrams follow a much improved format, which permits space for internal switch details.

Wiring diagrams are drawn in a "top-down" format. The diagrams are drawn with the power source at the top of the diagram and the ground point at the bottom of the diagram. Components locations are identified on the wiring diagrams. Any wires that don't connect directly to a component are identified on the diagram to indicate where they go.

## COLOR ABBREVIATIONS

COLOR ABBREVIATIONS TABLE

Color	Normal	Optional
Black	BLK	BK
Blue	BLU	BU
Brown	BRN	BN
Clear	CLR	CR
Dark Blue	DK BLU	DK BU
Dark Green	DK GRN	DK GN
Green	GRN	GN
Gray	GRY	GY
Light Blue	LT BLU	LT BU
Light Green	LT GRN	LT GN
Orange	ORG	OG
Pink	PNK	PK
Purple	PPL	PL
Red	RED	RD
Tan	TAN	TN
Violet	VIO	VI
White	WHT	WT
Yellow	YEL	YL

## IDENTIFYING WIRING DIAGRAM ABBREVIATIONS

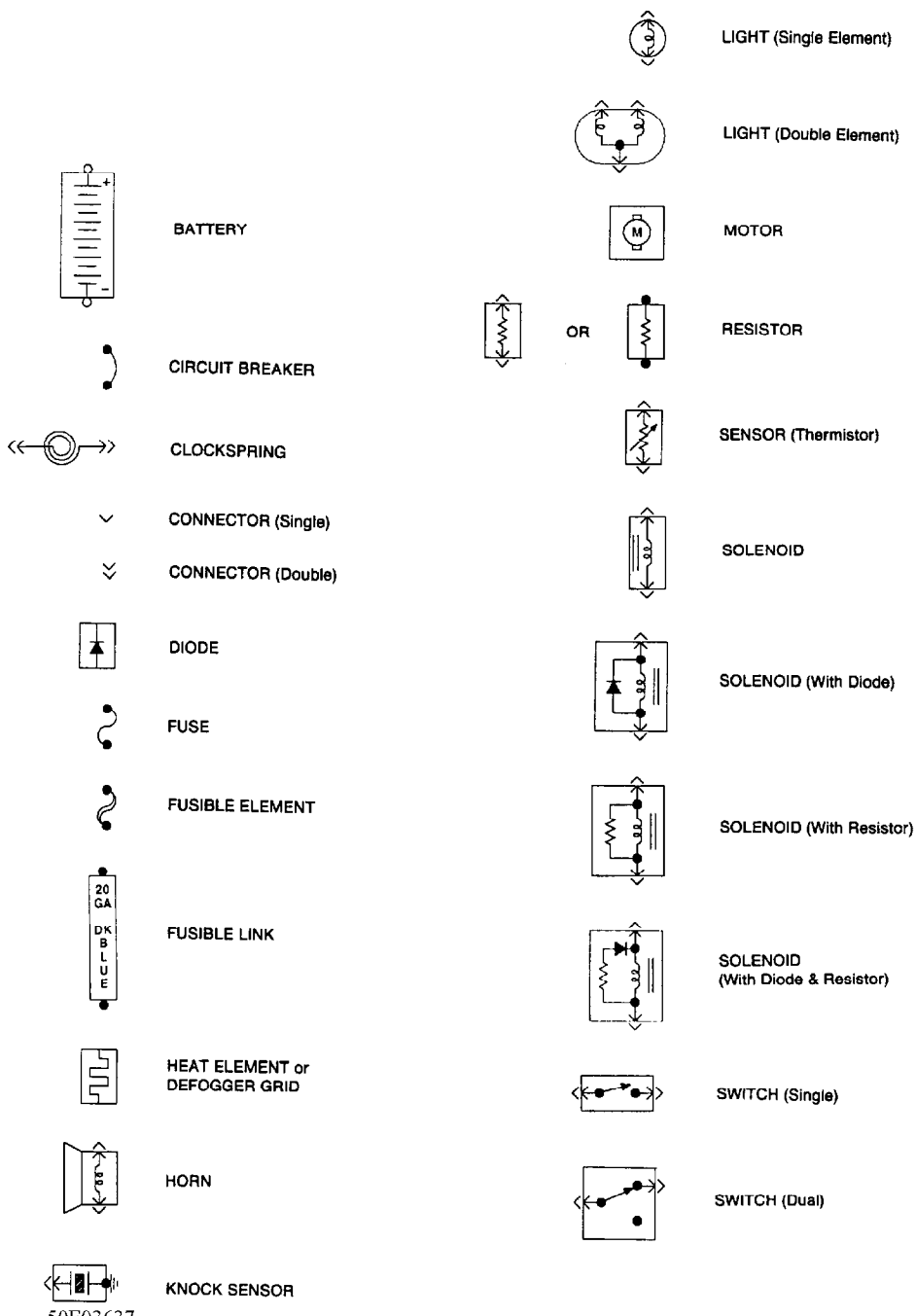
NOTE: Abbreviations used on these diagrams are normally self-explanatory. If necessary see ABBREVIATIONS



article in GENERAL INFORMATION.

### IDENTIFYING WIRING DIAGRAM SYMBOLS

NOTE: Standard wiring symbols are used in these diagrams. The illustration below will help clarify any symbols that are not easily understood at a glance. Most components are labeled "Motor", "Switch" or "Relay" in addition to being drawn with the standard symbol.



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Fig. 1: Identifying Wiring Diagram Symbols

## WIRING DIAGRAM COMPONENT LOCATIONS

When trying to locate a component in a wiring diagram and you don't know the specific system where it is located, use this handy component locator to find the system wiring diagram in which the component is located. Then, go to that system and locate the component within the wiring diagram.

For example, if you don't know the specific system in which the ignition switch is located, look up ignition switch in the wiring diagram component location tables and go to the appropriate wiring diagram(s) which contain either full or partial views of the ignition switch. The full view of the ignition switch is located in Power Distribution.

The first listing for the component will be the full or most complete view of the component. Additional listings will be partial views of the component. Not all components are used on all models.

All components will have a partial view in Ground Distribution and Power Distribution. Data Link Connectors show connecting circuits between modules. Alternate names for components may be listed in wiring diagram component locations tables.

### WIRING DIAGRAM COMPONENT LOCATIONS TABLE

Component	Wiring Diagram
ABS Electronic Control Unit	Anti-Lock Brakes Data Link Connectors
ABS Hydraulic Unit	Anti-Lock Brakes
Acceleration Sensor	Anti-Lock Brakes
Accessory Delay Relay	Power Windows
A/C Compressor Clutch Relay	Engine Performance
A/C Sensor	Engine Performance
A/C Pressure Switch	Engine Performance
Adaptive Lamp Control Module	Exterior Lights
Air Bag(s)	Air Bag Restraint System
Air Bag Module	Air Bag Restraint System
Air Bag Sensor(s)	Air Bag Restraint System
Air Injection Pump Relay	Engine Performance
Air Temperature Sensor	Overhead Console
Alternator (Generator)	Generators & Regulators
Anti-Theft Control Module	Anti-Theft System Starters
Autolamp Control Relay	Headlight Systems Daytime Running Lights
Automatic Shutdown (ASD) Relay	Engine Performance Generators & Regulators
Autostick Switch	Engine Performance
Auxiliary Battery Relay	Generators & Regulators
Back-Up Lights	Back-Up Lights Exterior Lights
Barometric (BARO) Pressure Sensor	Engine Performance
Battery	Power Distribution
Battery Temperature Sensor	Engine Performance
Body Control Module	Body Control Computer Anti-Theft System Daytime Running Lights Engine Performance Headlight Systems Warning Systems
Boost Control Solenoid	Engine Performance
Boost Sensor	Engine Performance
Brake Fluid Level Switch	Analog Instrument Panels



Brake On/Off (BOO) Switch ..... Cruise Control Systems  
Engine Performance  
Shift Interlock Systems

Buzzer Module ..... Warning Systems

Camshaft Position (CMP) Sensor ..... Engine Performance

Central Control Module ..... Anti-Theft System

Clockspring ..... Air Bag Restraint System  
Cruise Control Systems  
Steering Column Switches

Clutch Pedal Position Switch ..... Starters

Clutch Start Switch ..... Starters

Combination Meter ..... Analog Instrument Panels

Constant Control Relay Module (CCRM) ..... Engine Performance  
Electric Cooling Fans

Convenience Center ..... Power Distribution  
Illumination/Interior Lights

Convertible Top Motor ..... Power Convertible Top

Convertible Top Switch ..... Power Convertible Top

Crankshaft Position (CKP) Sensor ..... Engine Performance

Cruise Control Module ..... Cruise Control Systems

Cruise Control Switch ..... Cruise Control Systems

Condenser Fan Relay(s) ..... Electric Cooling Fans

Data Link Connector (DLC) ..... Engine Performance

Daytime Running Lights Module ..... Daytime Running Lights  
Exterior Lights

Defogger Relay ..... Rear Window Defogger

Diagnostic Energy Reserve Module (DERM) ... Air Bag Restraint System

Discriminating Sensor (Air Bag) ..... Air Bag Restraint System

Distributor ..... Engine Performance

Door Lock Actuators ..... Power Door Locks  
Remote Keyless Entry

Door Lock Relay(s) ..... Power Door Locks

Electrochromic Mirror ..... Power Mirrors

Electronic Level Control (ELC)  
Height Sensor ..... Electronic Suspension

Electronic Level Control (ELC) Module ..... Electronic Suspension

Engine Coolant Temperature (ECT)  
Sending Unit ..... Analog Instrument Panels

Engine Coolant Temperature (ECT) Sensor ..... Engine Performance

Engine Control Module ..... Engine Performance  
Generators & Regulators  
Starters

ETACS ECU ..... Warning Systems  
Power Windows  
Remote Keyless Entry

Evaporative (EVAP) Emissions Canister ..... Engine Performance

EVAP Canister Purge Solenoid ..... Engine Performance

EVAP Canister Vent Solenoid ..... Engine Performance

Exhaust Gas Recirculation (EGR) Valve ..... Engine Performance

Fuel Tank Vacuum Sensor ..... Engine Performance

Fog Lights ..... Headlight Systems  
Daytime Running Lights

Fog Light Relay ..... Headlight Systems  
Daytime Running Lights

Fuel Door Release Solenoid ..... Power Fuel Door Release

Fuel Gauge Sending Unit ..... Analog Instrument Panels

Fuel Injectors ..... Engine Performance

Fuel Pump ..... Engine Performance

Fuel Pump Relay ..... Engine Performance  
Power Distribution

Fuse/Relay Block ..... Power Distribution

Fusible Links ..... Power Distribution  
Generators & Regulators



	Starters
Generator .....	Generators & Regulators
	Engine Performance
	Power Distribution
Generic Electronic Module (GEM) .....	Body Control Modules
	Electronic Suspension
Glow Plug Relay .....	Engine Performance
Glow Plugs .....	Engine Performance
Grounds .....	Ground Distribution
Headlight Door Module .....	Headlight Doors
Headlight Relay .....	Headlight Systems
	Daytime Running Lights
Headlights .....	Headlight Systems
	Daytime Running Lights
Heated Oxygen Sensor(s) (HO2S) .....	Engine Performance
Heated Windshield Control Module .....	Heated Windshields
Height Sensor .....	Electronic Suspension
Horns .....	Steering Column Switches
Horn Relay .....	Steering Column Switches
Idle Air Control (IAC) Motor/Valve .....	Engine Performance
Ignition Coil(s) .....	Engine Performance
Ignition Key Lock Cylinder .....	Anti-Theft System
Ignition Module .....	Engine Performance
Ignition Switch .....	Power Distribution
	Engine Performance
	Generators & Regulators
	Starters
Illuminated Entry Module .....	Illumination/Interior Lights
Illumination Lights .....	Illumination/Interior Lights
Impact Sensor .....	Air Bag Restraint System
Inertia Fuel Shutoff Switch .....	Engine Performance
Inhibit Relay .....	Starters
Instrument Cluster .....	Analog Instrument Panels
Intake Air Temperature (IAT) Sensor .....	Engine Performance
Interior Lights .....	Illumination/Interior Lights
Interlock Switch .....	Starters
Junction Block .....	Power Distribution
Keyless Entry Receiver .....	Remote Keyless Entry
Key Reminder Switch .....	Starters
Knock Sensor .....	Engine Performance
Lamp Control Module .....	Exterior Lights
License Plate Lamp .....	Exterior Lights
Lighting Control Module .....	Lighting Control Modules
	Anti-Theft System
	Daytime Running Lights
	Headlight Systems
Lower Relay .....	Power Convertible Top
Malfunction Indicator Light (MIL) .....	Engine Performance
	Instrument Panels
Manifold Absolute Pressure (MAP) Sensor .....	Engine Performance
Mass Airflow (MAF) Sensor .....	Engine Performance
Mega Fuse .....	Generators & Regulators
Memory Seat/Mirror Module .....	Memory Systems
Mirror Defogger .....	Rear Window Defogger
Moon Roof Motor .....	Power Moon Roof
Moon Roof Relay .....	Power Moon Roof
Multi-Function Control Module .....	Warning Systems
Neutral Safety Switch .....	Starters
Oil Level Switch .....	Engine Performance
Oil Pressure Switch/Sending Unit .....	Analog Instrument Panels
	Engine Performance
Overhead Console .....	Overhead Console
Oxygen Sensor(s) (O2S) .....	Engine Performance



Torque Converter Clutch Solenoid/Switch .....	Engine Performance
Traction Control Switch .....	Anti-Lock Brakes
Trailer Tow Connector .....	Exterior Lights
Trailer Tow Relay .....	Exterior Lights
Transmission/Transaxle .....	Engine Performance
Transmission Control Module (TCM) .....	Engine Performance
	Starters
Transmission Range Sensor .....	Starters
	Back-Up Lights
	Engine Performance
Transmission Range Switch .....	Back-Up Lights
	Engine Performance
	Anti-Theft System
Turn Signal Flasher .....	Exterior Lights
Turn Signal Lights .....	Exterior Lights
Twilight Sentinel Switch .....	Headlight Systems
	Daytime Running Lights
Vapor Canister Leak Detection Pump .....	Engine Performance
Vehicle Control Module (VCM) .....	Engine Performance
Vehicle Dynamic Module .....	Electronic Suspension
Vehicle Speed Control Servo .....	Cruise Control Systems
Vehicle Speed Sensor .....	Data Link Connectors
	Analog Instrument Panels
	Cruise Control Systems
	Electronic Suspension
Voltage Regulator .....	Generators & Regulators
Water-In-Fuel Sensor .....	Engine Performance
	Analog Instrument Panels
Wheel Speed Sensors .....	Anti-Lock Brakes
Window Timer Module .....	Power Convertible Top
Windshield Intermittent Wiper Relay .....	Wiper/Washer Systems
Windshield Washer Motor .....	Wiper/Washer Systems
Wiper Motor .....	Wiper/Washer Systems

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